

**AMENDMENTS TO THE DRAWINGS:**

Please amend Figures 1 and 3 to 5 by replacing Figures 1 and 3 to 5 with the Replacement Sheet Figures for Figures 1 and 3 to 5. It is believed that the Replacement Figures are in compliance with 37 C.F.R. 1.83(a) and 1.84(p)(5). Approval and entry are respectfully requested, as is withdrawal of the objections as to the drawings.

## REMARKS

### **I. Introduction**

With the cancellation of claim 18 herein, claims 14 to 17 and 19 to 28 are pending in the present application. In view of the foregoing amendments and the following remarks, it is respectfully submitted that all of the presently pending claims are allowable. Reconsideration is respectfully requested.

Applicants note with appreciation the acknowledgement of the claim for foreign priority and the indication that all copies of the certified copies of the priority documents have been received from the International Bureau.

### **II. Objections to the Drawings**

Regarding the objection to the drawings under 37 C.F.R. § 1.83(a), the Office Action asserts that the “metering chamber” of claim 14, the “controller” of claim 21, and the “in an axial extent at least one reduced-wall thickness region” of claim 26, are not shown in the drawings. Figure 1 is amended herein, without prejudice, by the Replacement Sheet Figure 1, which includes a controller 20. No new matter has been added. Regarding claims 21 and 26, drawings are only required “where necessary for the understanding of the subject matter sought to be patented.” Illustration of a metering chamber or of a reduced-wall thickness region is not necessary for an understanding of claims 21 and 26.

The Office Action further objects to the drawings under 37 C.F.R. § 1.84(p)(5) as including a reference character not mentioned in the description. The Office Action asserts that reference character 17, shown in Figure 3, is not found in the specification. The specification has been amended herein without prejudice to mention swirl channel 17. No new matter has been added, as the swirl channel had previously been erroneously marked 7.

The Office Action further objects to the drawings because the same reference characters have been used for modified versions of the same disclosed parts throughout the drawings. While Applicant may not necessarily agree with the objection, to facilitate matters, Figures 3 to 5 are amended herein, without prejudice, by replacing Figures 3 to 5 with the Replacement Sheet Figures 3 to 5. The Replacement Sheet Figures 3 to 5 show different reference characters for modified versions of the same disclosed parts. The specification has been amended herein, without prejudice, to reflect the reference characters of the Replacement Sheet Figures 3 to 5.

Withdrawal of the present objections is respectfully requested.

### III. Rejection of Claims 14 to 20, 24, 26 and 28 Under 35 U.S.C. § 102(b)

Claims 14 to 20, 24, 26 and 28 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,947,091 ("Krohn"). For at least the following reasons, Applicant respectfully submits that Krohn does not anticipate the presently pending claims.

Claim 14, as presented, relates to a dosing device for a liquid fuel, the dosing device comprising, in relevant part, at least one heating element with which heat can be delivered to the fuel, including at least one of a wire braid networked in mesh fashion, and a tubular hollow element, wherein the heating element delivers heat at least to a part of at least one of a metering conduit, an adapter, a metering device, and a nozzle body. This amendment incorporates the subject matter of cancelled claim 18 into claim 14, and therefore adds no new matter.

The Office Action does not refer to any portion of Krohn that discloses a heating element that delivers heat at least to a part of at least one of a metering conduit, an adapter, a metering device, and a nozzle body. This is because Krohn does not disclose, or even suggest, such a heating element. The Office Action refers to the heating elements 23, 23', 23'' and 43 of Krohn as disclosing the heating element of claim 14. The Office Action further refers to the receptacle sleeve 22 of Krohn as disclosing a metering conduit, the jacket sleeve 50 of Krohn as disclosing an adapter, the injection valve 10 of Krohn as disclosing a metering device, and the valve seat 33, the holding sleeve 34 and the seal ring 35 of Krohn as disclosing a nozzle body. While Applicant does not necessarily agree with this reading of Krohn, Krohn does not disclose, or even suggest, that any of the heating elements deliver heat to any of the reference characters 22, 50, 10, 33, 34 and 35 of Krohn. The heating elements of Krohn, as shown in Figures 1 to 3, are not located in any position to deliver heat to these features. Nor does the specification disclose, or suggest, such heat delivery.

To anticipate a claim, each and every element as set forth in the claim must be found in a single prior art reference. *Verdegaal Bros. v. Union Oil Co. of Calif.*, 814 F.2d 628, 631, 2 U.S.P.Q.2d 1051, 1053 (Fed. Cir. 1987). Furthermore, "[t]he identical invention must be shown in as complete detail as is contained in the . . . claim." *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 U.S.P.Q.2d 1913, 1920 (Fed. Cir. 1989). That is, the prior art must describe the elements arranged as required by the claims. *In re Bond*, 910 F.2d 831, 15 U.S.P.Q.2d 1566 (Fed. Cir. 1990).

Krohn does not disclose, or even suggest, each and every element as set forth in claim 14. As such, Krohn does not anticipate claim 14. Claims 15 to 17, 24, 26 and 28 depend from claim 14 and therefore incorporate all of the features of claim 14. For at least the reasons set forth above with respect to claim 14, Krohn does not disclose, or even suggest, all of the

features of claim 14, and therefore does not anticipate dependent claims 15 to 17, 24, 26 and 28. As claim 18 is cancelled, the rejection of claim 18 is obviated.

Withdrawal of the present rejection is respectfully requested.

**IV. Rejection of Claims 14, 17 and 27 Under 35 U.S.C. § 102(b)**

Claims 14, 17 and 27 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent Application Publication No. 2002/0108309 ("Grieve"). For at least the following reasons, Applicant respectfully submits that Grieve does not anticipate the presently pending claims.

As more fully set forth above, claim 14 has been amended herein to incorporate the subject matter of cancelled claim 18. The Office Action does not refer to Grieve as anticipating cancelled claim 18, because Grieve does not disclose, or even suggest, each and every element as set forth in cancelled claim 18. As such, Grieve does not disclose, or even suggest, each and every element as set forth in claim 14, as presented. Therefore, Grieve does not anticipate claim 14.

Claims 17 and 27 depend from claim 14 and therefore incorporate all of the features of claim 14. For at least the reasons set forth above with respect to claim 14, Grieve does not disclose, or even suggest, all of the features of claim 14, and therefore does not anticipate dependent claims 17 and 27.

Withdrawal of the present rejection is respectfully requested.

**V. Rejection of Claim 25 Under 35 U.S.C. § 103(a)**

Claim 25 is rejected under 35 U.S.C. § 102(a) as being unpatentable over Krohn. For at least the following reasons, Applicant respectfully submits that Krohn does not render unpatentable the presently pending claim.

Claim 25 depends from claim 14 and therefore incorporates all of the features of claim 14. For at least the reasons more fully set forth above with respect to claim 14, Krohn does not disclose or suggest all of the features of claim 14. As such, Krohn does not disclose or suggest all of the features of claim 25, and therefore does not render unpatentable the presently pending claims.

Withdrawal of the present rejection is respectfully requested.

**VI. Rejection of Claim 21 to 23 Under 35 U.S.C. § 103(a)**

Claims 21 to 23 are rejected under 35 U.S.C. § 102(a) as being unpatentable over Grieve. For at least the following reasons, Applicant respectfully submits that Grieve does not render unpatentable the presently pending claim.

Claims 21 to 23 depend from claim 14 and therefore incorporate all of the features of claim 14. For at least the reasons more fully set forth above with respect to claim 14, Grieve does not disclose or suggest all of the features of claim 14. As such, Grieve does not disclose or suggest all of the features of claims 21 to 23, and therefore does not render unpatentable the presently pending claims.

Withdrawal of the present rejection is respectfully requested.

Respectfully submitted,  
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